

Appl. No. 10/617,056
Amdt. Dated Sep. 8, 2004
Reply to Office Action of June 8, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A cable end connector assembly comprising:
an insulative housing comprising a rear portion and defining a plurality of passageways therein;
a plurality of contacts received in the insulative housing passageways,
respectively;
a spacer assembled in the rear portion of the insulative housing for sealing the passageways, and comprising a plurality of openings defined therein for extension of the corresponding contacts therethrough and a protrusion snugly engaging with the insulative housing;
a cable comprising a first section electrically connected with the contacts and a second section extending at an angle with respect to the first section; and
a cover over-molded with the rear portion of the insulative housing and the cable.

Claim 2 (original): The cable end connector assembly as claimed in claim 1, further comprising a casing molded with a connection area between the contacts and the first section of the cable and over-molded by the cover.

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Claim 3 (original): The cable end connector assembly as claimed in claim 2, wherein the second section of the cable is located outside of the casing and is partially over-molded by the cover.

Claim 4 (original): The cable end connector assembly as claimed in claim 1, wherein the contacts and the first section of the cable both extend in a mating direction along which the cable end connector assembly is mated with a complementary connector.

Claim 5 (original): The cable end connector assembly as claimed in claim 1, wherein the angle is 90 degrees, and wherein the second section of the cable is perpendicular to a plane in which the insulative housing is located.

Claim 6 (original): The cable end connector assembly as claimed in claim 1, wherein the cable comprises a plurality of conductive cores electrically connected with the contacts respectively and an insulative jacket surrounding and separating the conductive cores.

Claim 7 (canceled)

Claim 8 (canceled)

Claim 9 (original): The cable end connector assembly as claimed in claim 1, wherein the insulative housing comprises opposite top and bottom walls and opposite side walls, and wherein the top, bottom and side walls together define an L-shaped receiving space for receiving a complementary connector.

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Claim 10 (original): The cable end connector assembly as claimed in claim 1, wherein the insulative housing is formed with a plurality of ribs on outer faces of the rear portion thereof and enclosed by the cover.

Claim 11 (currently amended): A method for making a cable end connector assembly, comprising the steps of:

providing an insulative housing having a rear portion and comprising a plurality of passageways therein;

providing a plurality of contacts received in the ~~insulative housing~~ passageways;

providing a spacer having a plurality of openings permitting the contacts to extend therethrough and a protrusion engaging with the insulative housing;

providing a cable having a plurality of conductive cores electrically connected with the contacts respectively and an insulative jacket surrounding and separating the conductive cores;

molding a casing with a connection area between the contacts and the cable;

bending the cable to form a first section connected with the contacts and a second section extending at an angle with respect to the first section; and

over-molding a cover with the rear portion of the insulative housing, the casing and the cable.

Claim 12 (original): The method as claimed in claim 11, wherein the bending step comprises bending the cable at a right angle along a rear end of the casing.

Claim 13 (original): The method as claimed in claim 11, wherein the first section of the cable is entirely over-molded by the cover, and wherein the second section of the

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cable is partially over-molded by the cover.

Claim 14 (canceled)

Claim 15 (canceled)

Claim 16 (currently amended): A cable end connector comprising:
an insulative housing defining a lengthwise direction and a rear portion with a plurality of straight type tails of contacts extending rearward out of said rear portion;
a cable defining a cross-section essentially extending along said lengthwise direction, said cable including an outer jacket with a plurality of inner conductive forwardly exposed outside of said outer jacket and mechanically and electrically connected to the corresponding straight type tails, respectively, the outer jacket of said cable defining an angled section adjacent to the rear portion of the housing from a side view of said housing; and
an insulative cover molded over and fully engaged with and supporting at least the said angled section of said outer jacket.

Claim 17 (original): The connector as claimed in claim 16, wherein said cover further encloses the rear portion of the housing.

Claim 18 (original): The connector as claimed in claim 17, further including an insulative casing molded over both the straight type tails of the contacts and only a horizontal section of the angled section of the outer jacket, wherein said casing is enclosed in said insulative cover.